Information Systems

World Leader in Time-Sharing Service

TIME-SHARING CHECKLIST

Checklist of Applications for Mark I and Mark II Time-Sharing Systems

GENERAL ELECTRIC

This analysis of your operations indicates that GE Time-Sharing Service can help you get results faster, yet more economically. In addition, your applications are matched with GE's two time-sharing systems — Mark I and Mark II. You have the flexibility to match your individual applications to whichever service provides the best price/performance characteristics.

MARK I

- Programs with low file storage requirements. ☐
- Programs requiring a small amount of computation ☐
- File building (not storing) ☐
- Debugging (BASIC only) ☐
- Editing ☐
- "Learners" system ☐
- File operations requiring little computation ☐
- Running small programs ☐
- Instruction ☐
- Creating new programs ☐

MARK II

- Programs requiring a large amount of file storage ☐
- Programs requiring a large amount of computation ☐
- File manipulation ☐
- Debugging production batch programs. ☐
- Programs which are used frequently. ☐
- Programs with many "INPUT" statements ☐
- Running large programs ☐
- Production-type programs ☐

* If applications in both columns are checked, your potential uses indicate that you should have the capability to use both systems.

Some typical applications of Computer Time-Sharing Service

ENGINEERING/SCIENTIFIC

- Design Engineering – *calculate circuit characteristics*
- Mathematical Analysis–*solve simultaneous differential equations*
- Statistical Analysis–*perform multiple regressions with independent variables*
- Research and Development – *analyze missile trajectories*

MANUFACTURING

- Quality Control – *determine process tolerances*
- Inventory Control – *calculate economic order quantities*
- Materials – *perform ball-bearing selection*
- Production – *prepare make-or-buy analysis*

FINANCIAL

- Banking – *calculate annuities*
- Financial Analysis – *evaluate risk alternatives*
- Cost Accounting – *estimate shop costs*
- Investment Analysis – *prepare portfolio analysis*

OPERATIONS RESEARCH

- Project Planning – *schedule a Critical Path Method network with more than 300 activities*
- Simulation and Modeling – *operate mathematical models*
- Resource Allocation – *optimize product mixes*
- Forecasting – *calculate sales forecasts*

EDUCATIONAL

- Teaching Computer Technique – *expose students to the computer as a problem-solving tool*
- Programmed Learning – *permit students to progress at maximum rate*
- Problem Formulation – *explore alternative methods*
- Reduction of Trivial Calculations – *solve more complex problems*

GENERAL ELECTRIC

170118 (11-68) 50M